## ABSTRACT OF THE DISCLOSURE

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Platinum(II) complexes are provided selected from the group consisting of compounds of the general formulae I to IV and physiologically acceptable addition salts thereof,

wherein the radicals  $R^1$  to  $R^4$ ,  $R^{1'}$  to  $R^{3'}$ , X, X', Y, a, i, k and n are defined as in the description,

and mixtures of the compounds for use as prophylactic and / or therapeutic agents for the treatment of diseases,

and cytostatic platinum complexes with the general formulae

$$[Pt^{II}(NH_3)_n(A)_n(Z)_{2\text{-}n}] \ or \ [Pt^{IV}(NH_3)_n(A)_n(Z)_{2\text{-}n}X_2] \ and$$
 
$$[Pt^{II}(A)_1(Z)_2] \ or \ [Pt^{IV}(A)_1(Z)_2X_2]$$

wherein A, Z and n are as defined in the description.

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